FIG. 1

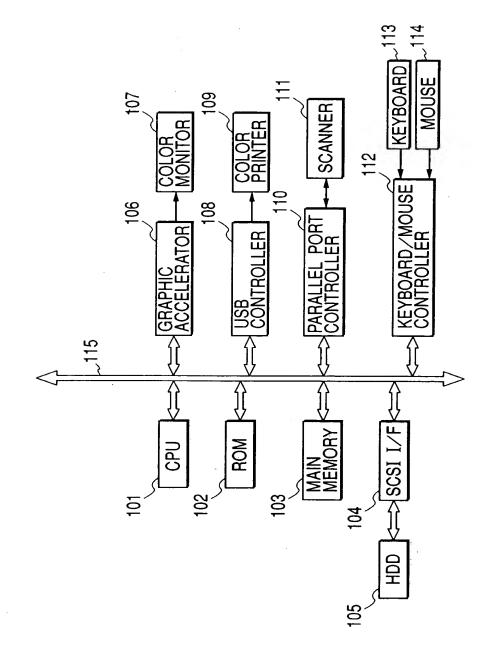
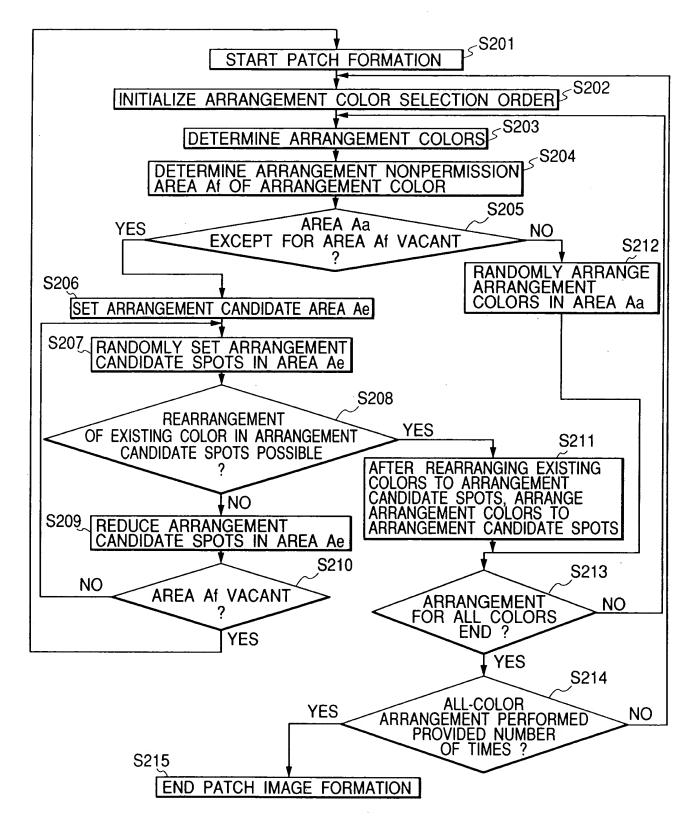


FIG. 2



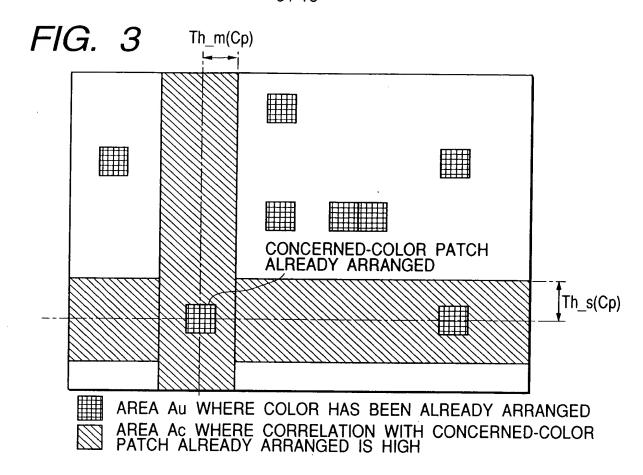
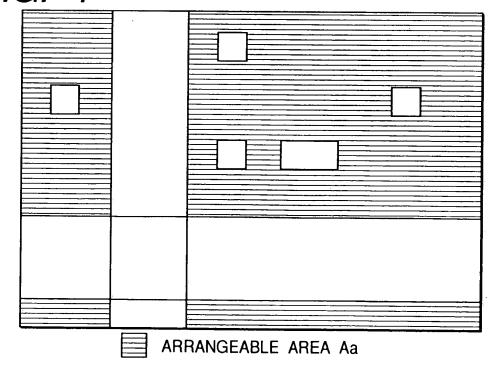


FIG. 4



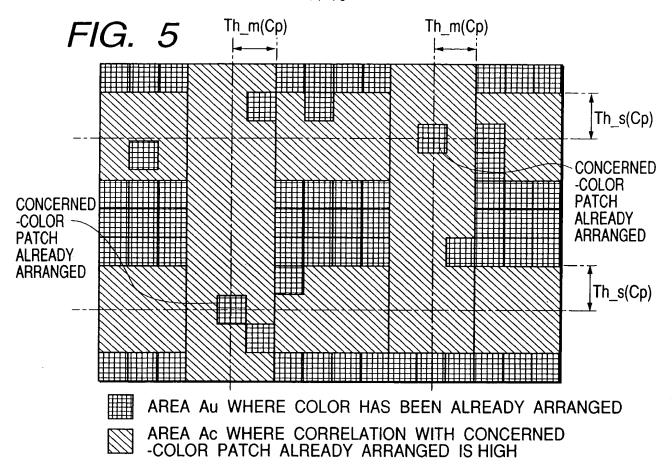
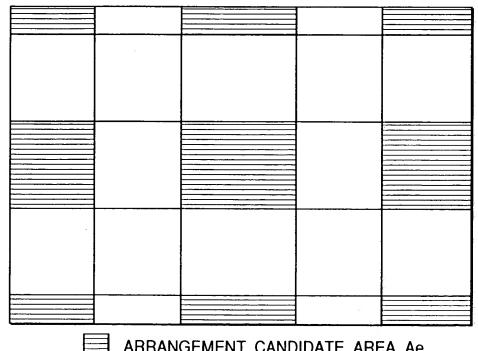
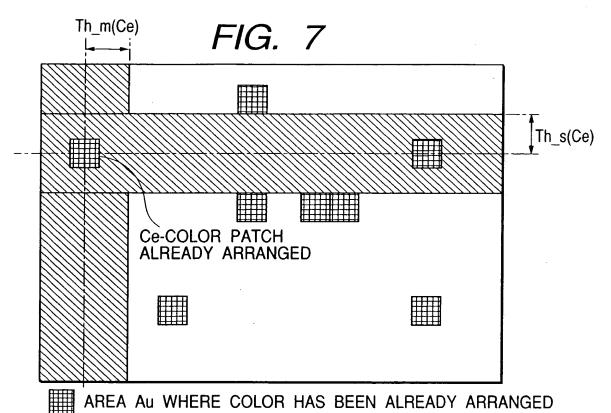


FIG. 6



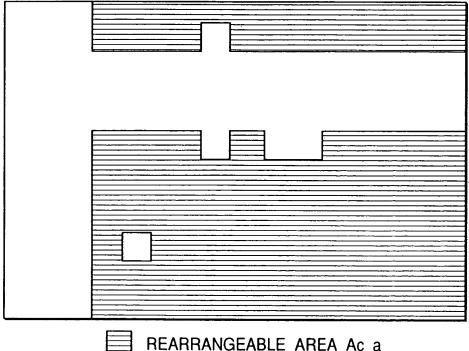
ARRANGEMENT CANDIDATE AREA Ae

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AREA Ac_c WHERE CORRELATION WITH Ce-COLOR PATCH ALREADY ARRANGED IS HIGH

FIG. 8



REARRANGEABLE AREA Ac_a

FIG. 9

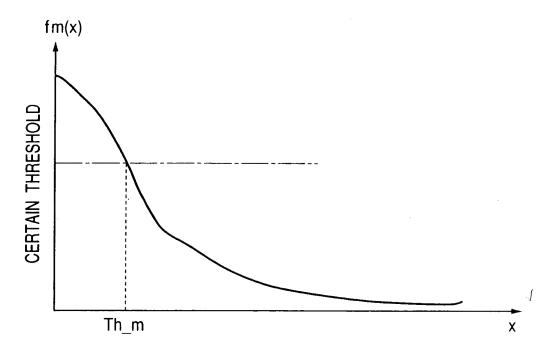
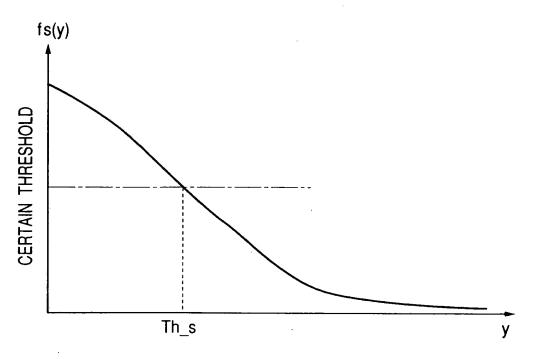


FIG. 10



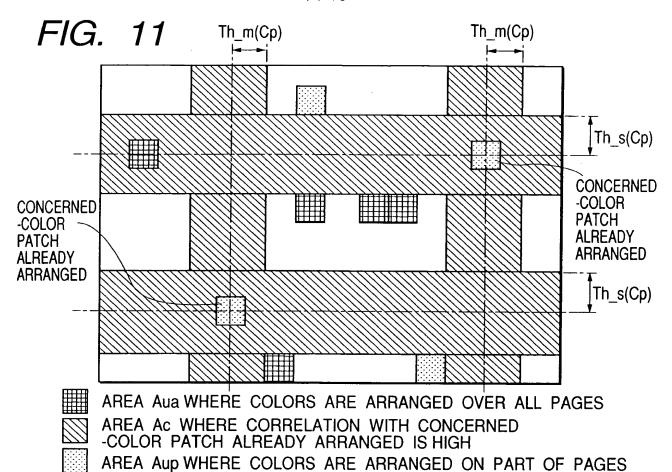
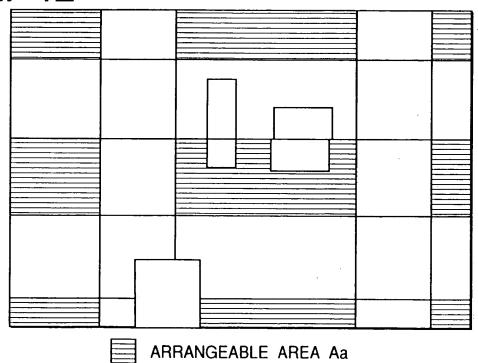
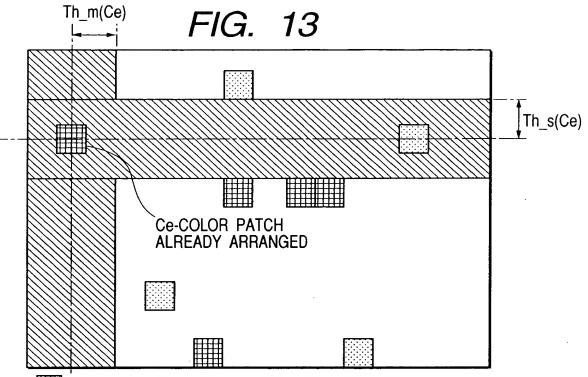


FIG. 12



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- AREA Aua WHERE COLORS ARE ARRANGED OVER ALL PAGES
- AREA Ac_c WHERE CORRELATION WITH Ce-COLOR PATCH ALREADY ARRANGED IS HIGH
- AREA Aup WHERE COLORS ARE ARRANGED ON PART OF PAGES

FIG. 14

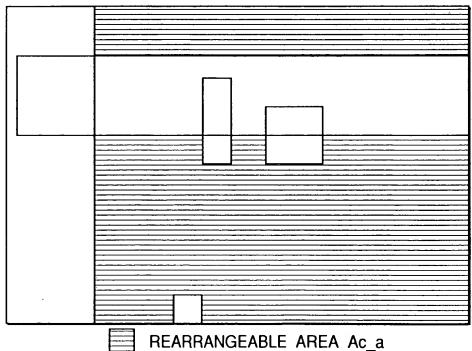
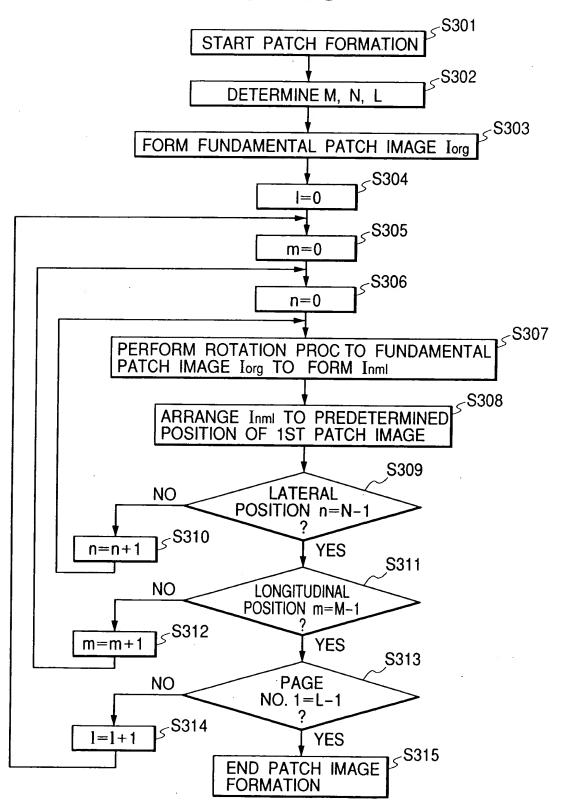
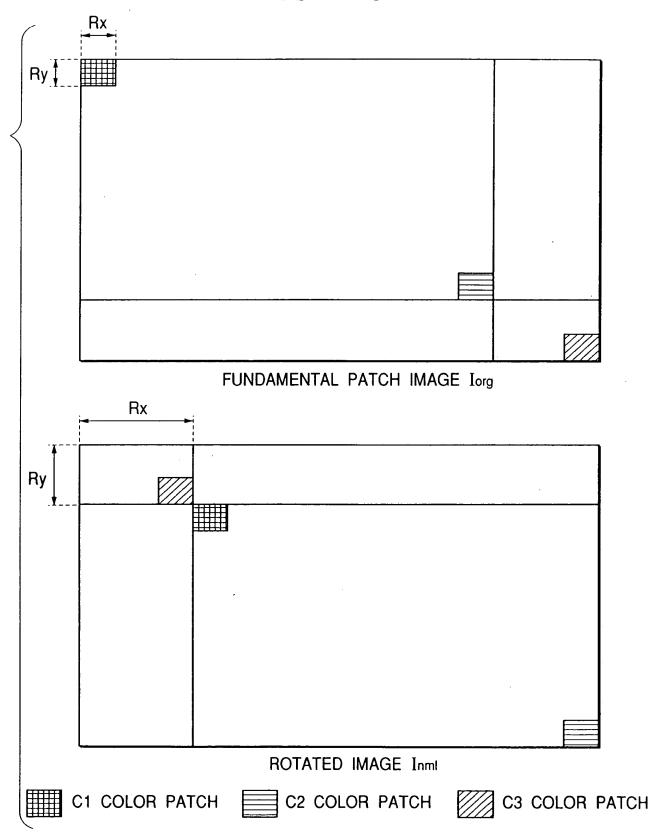


FIG. 15



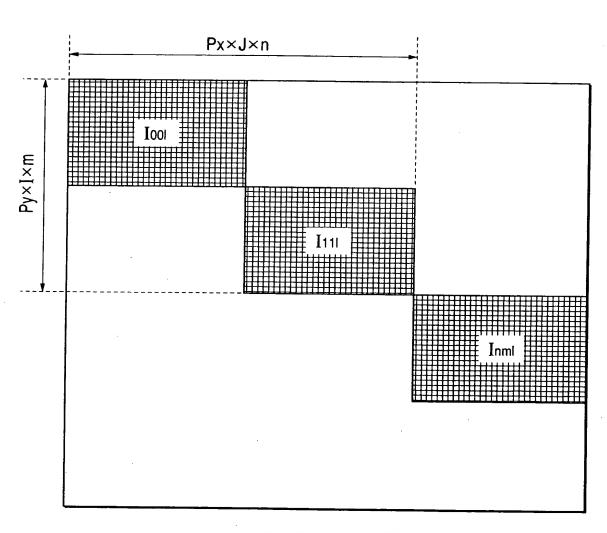
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FIG. 16



(

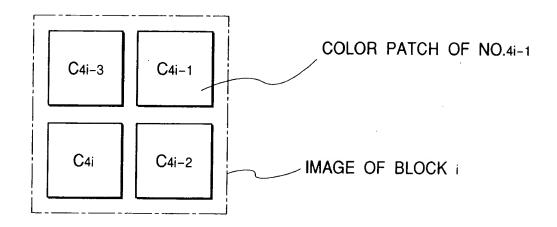
FIG. 17



1ST PATCH IMAGE

12/16 FIG. 18 -S401 START PATCH FORMATION < S402 FORM PREDETERMINED-NUMBER BLOCK IMAGES EACH COMPOSED OF PLURAL PATCHES S403 ISTART BLOCK ARRANGEMENT INITIALIZE ARRANGEMENT BLOCK SELECTION ORDER 5 S404 S405 DETERMINE ARRANGEMENT BLOCKS ₅S406 DETERMINE ARRANGEMENT NONPERMISSION AREA Af OF ARRANGEMENT BLOCKS S407 AREA Aa YES NO **EXCEPT FOR AREA AT VACANT** S414 RANDOMLY ARRANGE S408 ARRANGEMENT BLOCKS IN AREA Aa SET ARRANGEMENT CANDIDATE AREA S409 RANDOMLY SET ARRANGEMENT CANDIDATE SPOTS IN AREA Ae S410 REARRANGEMENT YES OF EXISTING BLOCKS IN ARRANGEMENT S413 CANDIDATE SPOTS AFTER REARRANGING EXISTING POSSIBLE ? BLOCKS TO ARRANGEMENT CANDIDATE SPOTS, ARRANGE ARRANGEMENT BLOCKS TO ΫNO S411 REDUCE ARRANGEMENT ARRANGEMENT CANDIDATE SPOTS CANDIDATE SPOTS IN AREA Ae S412 S415 NO AREA AF VACANT ARRANGEMENT NO FOR ALL BLOCKS END ? YES YES S416 ALL-BLOCK ARRANGENT PERFORMED YES NO PROVIDED NUMBER OF TIMES S417 END PATCH IMAGE FORMATION

FIG. 19



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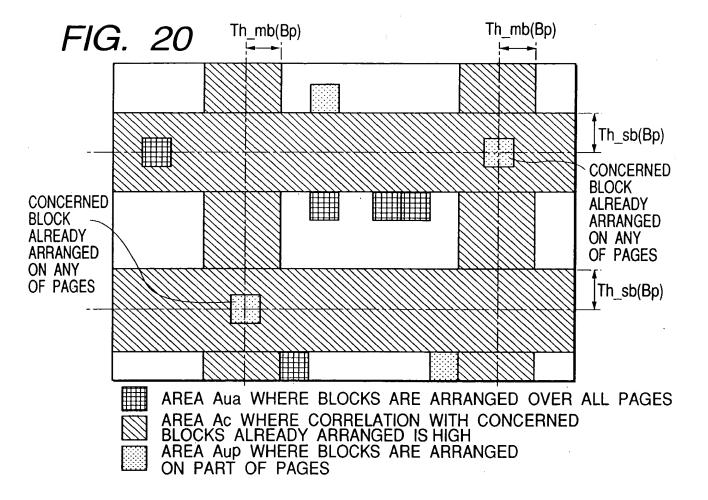
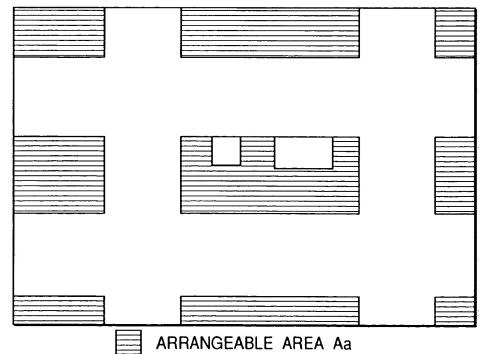


FIG. 21



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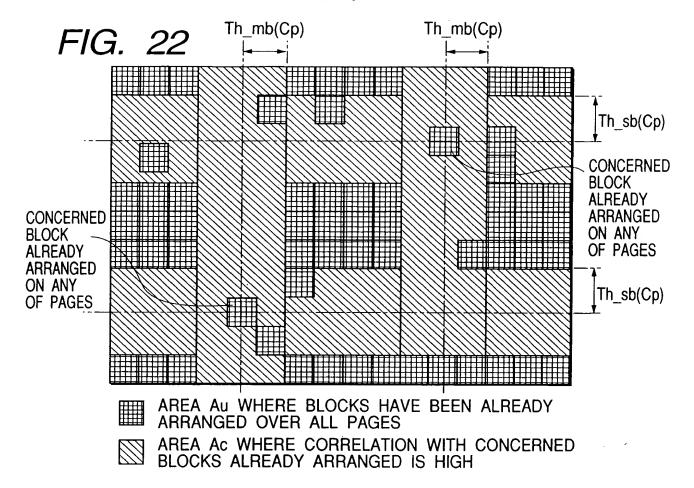
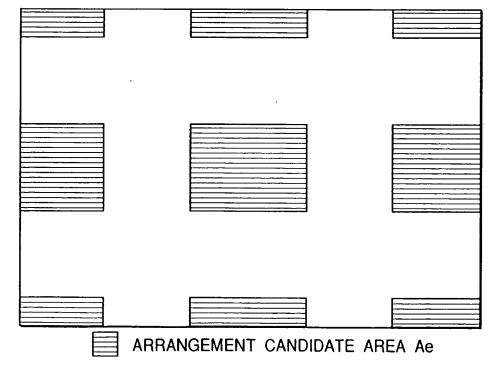
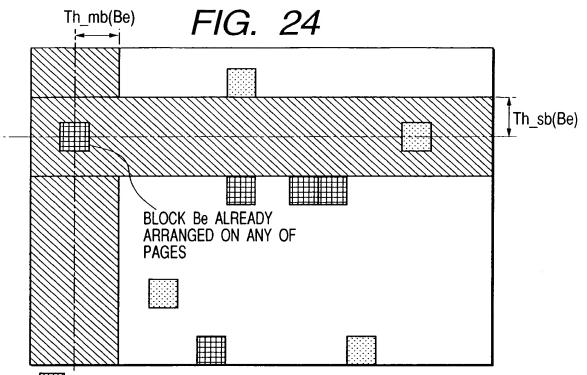


FIG. 23

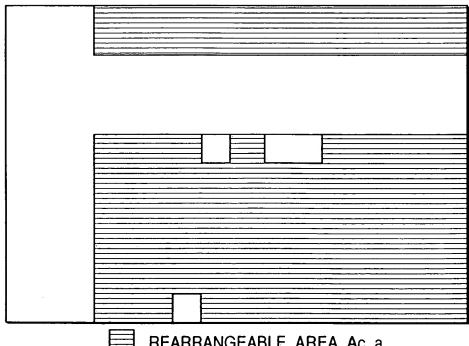


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- AREA Aua WHERE BLOCKS ARE ARRANGED OVER ALL PAGES
- AREA Ac_c WHERE CORRELATION WITH BLOCKS Be
 - ALREADY ARRANGED IS HIGH
- AREA Aup WHERE BLOCKS ARE ARRANGED ON PART OF PAGES

FIG. 25



REARRANGEABLE AREA Ac_a